

ENGINEERING CHECKS

CVN 68 CLASS

AUXILIARIES (AX) PRE-UNDERWAY PHASE

5811	ANCHOR	WINDLASS (Inpor	rt Drop Test)
Component/Sub-Cor	nponent	Proposed	Accepted
		Procedure	Procedure
Inspect Tech Manual Support			
Inspect PMS Support			
Inspect posted operating/safet	y instructions		
and lubrication data			
Inspect fluid samples			
Inspect for proper HPU fluid	levels		
Inspect for proper lubrication	of mechanical		
components			
Inspect Gauge Calibration			
Inspect relief valve data is pro	perly posted		
Inspect all flex hoses are prop	erly tested and		
labeled			
Inspect mechanical brake oper			
Inspect stroke control linkage	S		
Inspect flange shields			
Inspect for adequate nitrogen	charge for		
windlass			
Inspect speed limiter			
Inspect for adequate LP air pr	essure for chain		
compressor			
Inspect capstan/wildcat brake			
mechanical brake components	(worm gear end		
cap as required).			
Inspect electric brake			
Inspect filter differential indic			
Inspect HPU mechanical seal			
Test Compensating Relief Va	lve is properly		
Set Conduct Innert Anchor	Duentest		
Test - Conduct Inport Anchor			
- Inspect Servo/Replenishment Pressures			
during wildcat operation - Inspect Chain Compressor o	norotion		
- Inspect Anchor drops from t			
- Test electric brake operation			

- Inspect reduction gear lubrication (gauges/sight flows/dipsticks)	
Test crossover valve operation	
Test wildcat/windlass solenoid switch	
Test Main Relief Valve lifts correctly	

5600 / 5611	STEERING (In	nport System Ver	rification)
Component/Sub-Component		Proposed Procedure	Accepted Procedure
Inspect Tech Manual and EOSS	S Support		
Inspect PMS Support			
Inspect operating/safety instruc			
system/electrical wiring diagrai	ns are posted		
Inspect proper fluid levels			
Inspect hydraulic oil fill connec	ctions are properly		
labeled			
Inspect fluid samples			
Inspect Gauge Calibration			
Inspect rudder stock grounding	straps		
Inspect filter indicators			
Inspect Servo/Replenishment P	ressures are correct		
Inspect all flex hoses are proper	rly tested/labeled		
Inspect flange shields are prope	erly installed		
Test N2 accumulators are prope	erly charged		
Test the trick wheel stops			
Inspect the crush block clearan	ces		
Test the rudder follow up error	(1 deg increments at		
0 to 5 deg; 5 deg increments at	5 to 25 deg)		
Test ABT operation			
Test compensator relief valve s	ettings		
Test main relief valve settings			
Test (inport) rudder swing chec	eks		
Test (inport) blocking valve			
Test auxiliary emergency steering pump			
Test manual emergency steering system			
Inspect ram for scoring			
Test steering casualty alarm			
Test pump remote operation an	d transfer of controls		
to pilot house			
Test for static rudder split (pilo	t house in control)		
Test for indicator error (pilot ho	ouse in control)		

A-002/105-11	EMERGENCY/SHIP'S SERVIO DIESEL GENERATORS	
Component/Sub-Component	Proposed Procedure	Accepted Procedure
Inspect Engine Sump Level		
Inspect Turbocharger Sump Level		
Inspect Start Air Lubricator Oil Level		
Inspect Governor Oil Level		
Inspect Lube Oil Sample		
Inspect J/W Expansion Tank Level		
Inspect "Do not open access" and Expansion Tank warning "Poison" are posted		
Inspect/test fuel valve trip		
Inspect Relief Valves		
Inspect Flange Shielding		
Inspect For Exhaust Leaks		
Inspect Filters, Strainers		
Inspect Governor and Fuel Linkage for Binding		
Inspect J/W Standby Pump		
Test Blow In Damper		
Test pre-lube system operation		
Test Jacket Water High Temp Alarm		
Test Lube Oil Filter High DP Alarm		
Test low lube oil pressure alarm		
Test Remote Shut Down		
Test Local Shut Down		
Test Barring Device Interlock		
Test Engine Blow Down		
Test Local Pneumatic start		
Test dead bus auto start		
Test Overspeed Trip		
Test 80% load for 15 minutes		
Inspect for fuel/lube oil leaks		
Inspect pyrometer operation		
Inspect manometer		
Inspect sea water cooling pump		
Test high water/generator bearing temp		
alarm		

5512 / 5513 / 5515	LOW and MEDIU	M PRESSURE A	IR SYSTEM
Component/Sub-Co	omponent	Proposed	Accepted
		Procedure	Procedure
Inspect Tech Manual and EOSS	Support		
Inspect PMS Support			
Inspect Gauge Calibration			
Inspect operating/safety instruc	tions are posted		
Inspect compressor oil level and	d oil samples		
Test compressor pressures and	temperatures		
Test compressor capacity control			
Inspect compressor belt condition			
Test compressor auto control ar			
 a. Operational control switc 	hes (115/120/125)		
b. Low oil pressure			
c. High discharge pressure			
d. High air and water temp			
Inspect all relief valve testing is	·		
Inspect location of intake/vent s			
Inspect receiver flask certificati	on		
Test priority valve operation			
Inspect sea water cooling system			
Inspect 50/50 mixture of ethyle			
Test type I and type II dehydrat	or operation		
 Gauge calibration 			
b. Tower operation			
 c. Purge air pressure 			
d. Automatic drain operation			
e. Dew point			
f. Inspect PMS and Tech N	Manual support		

5511 / 5515	HIGH PRES	SURE AIR SYS	TEM
Component/Sub-Component		Proposed	Accepted
		Procedure	Procedure
Inspect Tech Manual and EO	SS Support		
Inspect PMS Support			
Inspect Gauge Calibration			
Inspect operating/safety instr			
Inspect compressor oil level a	•		
Test compressor auto control	and safety switches		
a. Start / Stop switch			
b. Low oil pressure switch	eh		
 c. Jacket water temp swit 			
d. Compressor temp/pres	•		
Inspect compressor pressures			
Inspect compressor drive belt			
Inspect condensate monitoring/drain system			
Inspect all flex hoses are prop			
Inspect all relief valve testing			
Inspect HP air flask certificat			
Inspect sea water cooling sys			
Inspect air intake/ventilation			
Inspect all HP/LP air reducing			
Inspect fresh water pump belts			
Inspect capacity			
Inspect oil wipers			
Inspect pressure regulator valve			
Inspect 50/50 mixture of ethy	lene glycol		
Inspect seals for oil leaks			

5210	FIRE PUMPS	(ELECTRIC and	STEAM)
Component/Sub-Component		Proposed	Accepted
		Procedure	Procedure
Inspect Tech Manual and EOSS	S Support		
Inspect PMS Support			
Inspect Gauge Calibration			
Inspect Transducer Calibration			
Inspect Coupling Guard			
Inspect relief valves are within	periodicity		
Test remote start/stop functions			
Test local start/stop functions			
Inspect pump operation/design			
unusual noise, bearing temps, e	tc.		
Test the over speed trip (STEA	M)		
Test the speed limiting governo			
Test the turbine auxiliary lube oil pump low-pressure			
automatic start switch operation			
Inspect lube oil filter indications and oil level			
(STEAM)			
Test combination exhaust and r	\ /		
Inspect the packing and mechan	nical seal leakage		
Inspect for ferrous fasteners			
Inspect the resilient mounts			
Inspect condition of expansion joints			
Inspect all flex hoses are properly tested/labeled			
Inspect piping lagging			
Inspect grounding straps			
Test remote operated suction/di	scharge valves		
Inspect the suction strainer			

5240	SEAWATER	SERVICE PUM	IPS
Component/Sub-C	omponent	Proposed Procedure	Accepted Procedur e
Inspect Tech Manual and EOSS	S Support		
Inspect PMS Support			
Inspect Gauge Calibration			
Inspect Transducer Calibration			
Inspect Coupling Guard			
Test remote start/stop functions	}		
Test local start/stop functions			
Inspect pump operation/design unusual noise, bearing temps, e			
Inspect packing and mechanica	l seal leakage		
Inspect for ferrous fasteners			
Inspect foundation and resilient	t mounts		
Inspect condition of expansion	joints		
Inspect all flex hoses are proper	rly tested/labeled		
Inspect piping lagging			
Inspect grounding straps			
Test remote operated suction/di	ischarge valves		
Inspect the suction strainer			
Test the firemain to seawater re operation, condition and relief	<u> </u>		

5140	5140 AIR CONDITIONING PLANTS		
Component/Sub-Component		Proposed	Accepted
		Procedure	Procedure
Inspect EPA certifications			
Inspect Tech Manual and EO	SS Support		
Inspect PMS Support			
Inspect Gauge Calibration			
Inspect operating/safety instr	ructions are posted		
Inspect compressor oil level	and oil samples		
Inspect warning at entrance (Freon usage) posted		
Inspect Refrigerant logs			
Test halocarbon monitor of			
Test capacity control system			
Test calibration of safety shu			
a. HP/LP pressure switch			
b. C/W, S/W flow/press/	•		
c. Low refrigerant temp			
d. Low oil pressure switc	h		
Inspect moisture indicators			
Test compressor operation (p	parameters, suct/disch		
valves)			
Test for leaks (oil/freon/water)			
Inspect chilled water pump			
a. suction valve			
b. discharge valve			
c. mechanical seal			
Inspect chilled water expansi			
a. Proper operating leve	1		
b. Filling pipe air gap			
c. Relief valves and vac			
d. Hose disconnects and	warning sign		
Test PPU			
Inspect recovery unit (Invent			
Inspect for available vacuum pump			
Inspect sea water system			
a. Pump operation			
b. Zincs and nylon tube inserts present			
c. Condenser header condition			
d. Seawater Regulating valve			
Inspect motor controller			
Inspect coupling guard			
Inspect resilient mounts			

Inspect flex hoses	

AUXILIARIES (AX) UNDERWAY DEMO PHASE

5811	ANCHOR W	INDLASS DROP AND DEMONSTRATION	
Component/Sub-Con	nponent	Proposed	Accepted
_		Procedure	Procedure
Test - Conduct Anchor Drop and Retrieval			
test			
- Inspect Servo/Replenishmen	t and Main		
Relief Pressures during wildcat operation			
- Inspect Anchor drops from t	he hawsepipe		

5600 / 5611	STEERING	DEMONSTRA	TION
Component/Sub-Co	omponent	Proposed	Accepted
		Procedure	Procedure
Inspect proper fluid levels			
Inspect correct Servo/Replenish	nment pressures		
Test - Demonstrate timed rudde	er swing checks/		
blocking valve test Ahead (as per provided			
procedure)			
Test - Demonstrate timed rudder swing checks/			
blocking valve test Astern (as per provided			
procedure)			
Inspect for dynamic rudder spli	t from helm indicator		

5331	WAT	ER HEATERS	
Component/Sub-	-Component	Proposed	Accepted
		Procedure	Procedure
Inspect Tech Manual and EO	SS Support		
Inspect PMS Support			
Inspect list of heaters onboar	d and spaces hot water		
services (berthing/laundry/ga	lley)		
Inspect gauge calibration			
Inspect outlet temp at heater	(verify operation)		
Inspect relief valve test data			
Inspect relief valve drain pipe	ing		
Inspect cold water inlet pipe	for check valve		
Test high temp switch setting			
Test high temp switch warning	ng light		
Inspect lagging condition			
Inspect for steam / water leaks			
Inspect Temp Reg Valve for locking device			
Inspect heater foundation			
Test water temp at basin/spig	got	_	

5351		ER and COPPE	
		STEAM PIPING	1
Component/Sub-Compo	nent	Proposed	Accepted
		Procedure	Procedure
Inspect Gauge calibration			
Inspect PMS Support			
Inspect warning placard posted – war	rning bleed		
pressure before disconnecting			
Inspect piping/valve condition and or	peration		
Inspect protective cover			
Inspect relief valve for test data			
Inspect overall area preservation			
Inspect ship has reviewed NAVSEA Wash DC R			
130557Z FEB 01 concerning copper piping			
Inspect the ship has established an inspection			
program IAW NAVSEA message			
Inspect - Conduct a walkthrough of all copper			
service steam piping to check for leaks IAW			
NAVSEA message			

5311	WATER PRODUC FLAS	CTION DEMON SH TYPE EVAPS	
Component/Sub-Con	mponent	Proposed Procedure	Accepted Procedure
Inspect PMS and Tech Manual s	upport		
Inspect gauge calibration			
Test flow meter			
Inspect evaporator shell (sight gl and scale buildup)	asses, diffuser cap		
Test salinity dump valves			
Test interlock device between powater valves	table water and feed		
Inspect feed pump (labeled, pack	ing gland,		
foundation, seal / gland cavity)			
Inspect brine pump (labeled, pac	king gland,		
foundation, seal / gland cavity)			
Inspect distillate pump (labeled,	packing gland,		
foundation, seal / gland cavity)			
Inspect brine pump (labeled, pac	king gland,		
foundation, seal / gland cavity)			
Inspect heater drain pump (labeled, packing gland,			
foundation, seal / gland cavity)			
Inspect flexible hose condition and test tag			
Inspect feedwater strainer (foundation and basket)			
Inspect pipe labeling and lagging condition			
Test – Demonstrate 80% water production capability			
during the 4 Hour Water Product	tion Demonstration		

8543	DIMIDIMATED	
	DUMBWAITER	A 1
Component/Sub-Component	Proposed Procedure	Accepted Procedure
Inspect Tech Manual and EOSS Support		
Inspect PMS Support		
Inspect posted operating/safety instructions at each		
station		
Inspect posted lubrication chart at top station		
Inspect trunk bi-parting doors		
Inspect machinery access cover bolts & nuts		
Inspect machinery oil level		
Inspect hoist machinery mounting hardware		
Inspect hoist drum		
Inspect hoist wire rope and end fittings		
Test slack rope device and limit switch		
Test the hoist brake		
Test the up over travel limit switch		
Test the up deck level limit switch		
Test trunk bi-parting door limit switch		
Inspect car broken rope device		
Inspect car bi-parting door assembly		
Inspect car for missing components		
Test lower level trunk bi-parting doors and limit		
switch		
Test down over travel limit switch		
Test down level limit switch		
Inspect trunk buffer springs		
Test E-call and sound powered phone system when installed		
Inspect clean out cover mounting hardware		
Inspect motor controller for loose leads, posted		
placards, grounds and correct fuses		
Inspect dumbwaiter trunk for preservation and		
cleanliness		
Inspect guide rails		
Test each control station E-stop button		
Test each control station E-stop button		

8543	PAG	CKAGE CONVEY	OR
Component/Sub-Compone		Proposed	Accepted
•		Procedure	Procedure
Inspect Tech Manual and EOSS Suppo	rt		
Inspect PMS Support			
Inspect posted operating/safety instruct	ions (two man		
rule/ do not ride) at each station			
Inspect posted lubrication chart at top s	tation		
Test for audible warning when starting	conveyor		
Inspect that all station doors are locked			
Inspect that all station controllers are lo	ocked		
Test door interlock system			
Inspect load/unloader at each station			
Test door cannot close when loader/unl	loader is in		
horizontal or 30 deg inclined position			
Test loader/unloader down interlock sw	vitch at each		
station below upper most level			
Test jam limit switch at each station			
Inspect safety shields are properly insta			
Test up-over travel switch/device opera	ation		
Test clean out door interlock switch if	* *		
Test down overtravel device and switch	1		
Test indexing feature			
Test E-stop and run/stop buttons at all s	stations		
Inspect proper florescent lighting at each	ch station		
Inspect trunk shielding and mounting h	ardware		
Inspect trunk guide rails			
Inspect conveyor trunk for preservation	/cleanliness		
Inspect all carrier trays are installed and	d tight		
Test all station growlers and phone circ	cuits are		
functional and headsets are present			
Inspect conveyor has been load tested within the last			
five years to include weight test data			
Inspect speed reducer is filled to proper level with oil			
Inspect drive, driven and carrier chains are properly			
tensioned			
Test bite panel for correct components and proper			
operation			
Inspect motor controller for loose leads, posted			
placards, grounds and correct fuses			
Inspect drive machinery for missing/loose			
components			

5161	REFRIG	SERATION PLA	ANTS
Components/Sub-Con	nponents	Proposed Procedure	Accepted Procedure
Inspect EPA certifications			
Inspect Tech Manual and EOSS S	Support		
Inspect PMS Support			
Inspect Gauge Calibration			
Inspect operating/safety instruction	ons are posted		
Inspect compressor oil level and o	oil samples		
Inspect warning at entrance (Freo	n usage) posted		
Inspect Refrigerant logs			
Test halocarbon monitor operation	tion		
Test capacity control system oper	ation (vent plug)		
Test calibration of alarm / shutdo	wns		
a. HP / LP pressure switches			
b. Sea water flow / pressure	switch		
Test compressor operation (param	neters,		
suction/discharge valves)			
Inspect for piping suppressors			
Inspect for leaks (oil/freon/sea wa	nter)		
Inspect refrigerant recovery system/vacuum pumps			
Inspect sea water system (pump operation, zincs,			
nylon tube inserts, and condenser header)			
Test chill/freezer boxes for fan operation, lighting,			
coil condition and curtains			
Inspect ventilation (flow/location/	indicators and		
alarms			

6641 F.	AN ROOMS	
Component/Sub-Component	Proposed Procedure	Accepted Procedure
Inspect deck condition		
- No standing water		
- Deck rusted / exfoliated		
- Deck drain not installed		
- Deck drain missing, not secured within deck socket		
or inoperative		
Inspect deck/bulkheads have no painted over rust		
Inspect lighting is operative and covers installed		
Inspect adequate lighting present in space		
Inspect vent duct condition		
- Access covers present		
- Access cover fasteners not rusted/missing		
- Duct interior is clean		
Inspect correct vent/piping system labeling		
Inspect fan motor installed correctly (flow)		
Inspect filters are clean and can be easily removed		
Inspect filter DP gauge is operative		
Inspect vent heating element is operative and not deteriorated		
Inspect cooling coils are clean		
Inspect thermostatic controls are calibrated, connected and operational		
Inspect the cooling coil drain is piped to the deck drain and is not clogged		
Inspect the proper color coding of piping		
Inspect that all hand wheels are present		
Inspect for damaged / missing lagging		
Test the C/W or steam solenoids are operational		
Inspect for chilled water / steam leaks		
Inspect for bull's eye and CCOL in space		
Inspect for any unauthorized stowed material		
Inspect for any unauthorized flammables		
Inspect the filter cleaning shop		

5331	POTAB	LE WATER PU	MPS
Component/Sub-Comp	ponent	Proposed	Accepted
		Procedure	Procedure
Inspect Tech Manual and EOSS Su	ıpport		
Inspect PMS Support			
Inspect Gauge Calibration			
Inspect Transducer Calibration			
Inspect Coupling Guard			
Test local start/stop functions			
Inspect pump operation/design disc	charge pressure,		
unusual noise, bearing temps, etc.			
Inspect packing and mechanical se	al leakage		
Inspect for ferrous fasteners			
Inspect foundation and resilient mo	ounts		
Inspect all flex hoses are properly	tested/labeled		
Inspect grounding straps	•		

5532 / 5533 02N	2 COMPRESSO	RS
Component/Sub-Component	Proposed	Accepted
	Procedure	Procedure
Test the operation of ventilation alarms in the O2N2		
spaces and DC Central.		
Test emergency shutdown switches for air		
compressors.		
Test the deluge shower.		
Review Aviators Breathing Logs for contamination		
of storage tanks and producers.		
Inspect control valve position indicators on the cold		
box.		
Inspect double-wall piping.		
Inspect producer cold box for leaks.		
Inspect all relief valves testing within periodicity.		
Test the operation of the electronic bulk purity		
analyzer.		
Inspect gage calibration.		
Test the operation of the Orsat purity analyzer.		
Inspect liquid oxygen transfer hoses.		
Test the operation of the back-pressure regulating		
valve on the storage tanks.		
Test vacuum in the annular space of the storage tank.		
Perform vacuum pump dead end test.		
Inspect storage flasks are stamped with current test		
dates.		

Test operation of all reducing manifolds. Test operation of nitrogen automatic stop valves (hanger bay and flight deck). Inspect O2 charging stations. Test fwd and aft plants in both oxygen and nitrogen production. Inspect operational parameters during O2N2 production. Inspect operational parameters during O2N2 production. Test purge flowmeter. Test reactivation heaters. Test product purity in each production. Test liquid oxygen/liquid nitrogen cryogenic pumps. Test liquid oxygen/liquid nitrogen vaporizers. Inspect gaseous oxygen and nitrogen hoses. Inspect cryogenic transfer safety equipment (i.e. white coveralls, etc.) Test the low temperature alarm for storage tanks during O2N2 charging. Test operation of the R-22 refrigeration unit. (HP Plants only) Inspect operational parameters of R-22 unit. (HP Plant only) Test for air and non-condesable gases. (HP Plant only) Test water regulating valve. (HP Plant only) Inspect refrigeration logs. (HP Plant only) Inspect the HPAC's IAW the attached INSURV HPAC checklist, as applicable. Test operation of the programmable logic control (PLC) panel (LP Plant only) Test coperation of blow off valve and suction throttle valve. Test operation of the condensate drain valves. Test the vent fog precipitator.		1
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Test auxiliary lube oil pump. Test operation of blow off valve and suction throttle valve. Test operation of the condensate drain valves.	(PLC) panel (LP Plant only)	
Test operation of blow off valve and suction throttle valve. Test operation of the condensate drain valves.	Test compressor surge point.	
valve. Test operation of the condensate drain valves.	Test auxiliary lube oil pump.	
valve. Test operation of the condensate drain valves.	Test operation of blow off valve and suction throttle	
	<u> </u>	
Test the vent fog precipitator.	Test operation of the condensate drain valves.	
	Test the vent fog precipitator.	

6651	BI	BFIMA WORKSHOPS		
Component/Sub-Component		Proposed Procedure	Accepted Procedure	
Inspect BFIMA matrix and determine the capabilities for the ship	e required			
Inspect the following items as they perta applicable workshops:	in to the			
- PMS and Tech Manual Support of all in equipment	ıstalled			
- Test operational condition of all installed equipment (E-stops, cutting fluid etc).				
Test all installed equipment in their capInspect the monorail layout and ensure	•			
the function of the workshop - Inspect all gauge calibration (calipers)				
 Inspect correct software/hardware prese Inspect correct/adequate cutting fluids a 				
present				
- Shops - Machine Shop				
- Welding Shop				
- Filter Cleaning Shop				
- Engraving Shop				
- Sheet Metal Shop				
- Motor Rewind Shop				
- Carpenter Shop				
- Valve Shop				
- Internal Combustion Engine Shop				
- Pipe Shop				
- Hydraulic Shop				
- Shipfitting Shop				
- AC&R Shop				
- Pump Shop				

ELECTRICAL (EL) PRE-UNDERWAY PHASE CVN 68

3110	SHIPS SERVICE TURBINE GENERATORS (SSTGs)			
C	COMPONENT/SYSTEM PROPOSED PROCEDUR			
Test Reverse I	Power Relays	S-6		
Test Parallel o	peration	IAW SOP/RPM		
	st of Turbine Generator voltage voltage limiter circuit.	S-3		
3121 / 3202	EMERGENCY DIESEL G	ENERATOR (EDGs)		
C	COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Test automatic	operation of Emergency Switchboard	A-3		
Test Reverse I	Power Relays	S-76		
3110	COOLANT PUMP TURBINE GENERATORS (CPTGs)			
COMPONENT/SYSTEM		PROPOSED		
		PROCEDURE		
Operational test of Turbine Generator voltage regulator over voltage limiter circuit		S-3		
Test Parallel operation		IAW SOP/RPM		
EL-011	400 HERTZ DISTRIBUTION SYSTEM			
COMPONENT/SYSTEM		PROPOSED PROCEDURE		
Test Split and Parallel Operation		IAW SOP/RPM		
Meaure automatic voltage/frequency control at No- Load		PMS 011/011-61		
Test Parallel Operation with SSTGs		IAW SOP/RPM		

EL 030 / EL TELL-TALE PANEL/NAVIGATION SIGNAL LIGHT PANEL			
COM	COMPONENT/SYSTEM PROPOSED PROCEDUR		
Test Navigational Lighting Panel.		R-3	
Measure insulatio	n resistance of Signal Light Panel.	Q-3	
Measure insulatio Lighting Panel	Measure insulation resistance of Navigational Q-3 Lighting Panel		
IC-007	ANNOUNCING	G SYSTEMS	
COM	MPONENT/SYSTEM	PROPOSED PROCEDURE	
Test General, Chemical, and Collision Alarms from all stations		W-1	
Test 1MC/3MC fr	rom all stations	W-1	
Test 5MC Operati	ion	M-3	
Measure Speaker group insulation		Q-1R	
Test 21MC Opera	Test 21MC Operation Conduct operational test.		
4751	751 DEGAUSSING SYSTEM		
CON	COMPONENT/SYSTEM PR		
Conduct Ground Test		M-2	
Conduct Linearity Test		Q-1	
Inspect Degaussing Folder		NAVSEA TECH MANUAL	

3202	3202 AUTOMATIC BUS TRANSFER EQUIPMENT			
C	COMPONENT/SYSTEM		PROPOSED PROCEDURE	
Test all engine	eering ABT's.		S-2/R-3	
Test All remai	ning ABT's. (Day 2)		S-2/R-3	
	4371		EVAPORATORS	
COMPONEN T/SYSTEM		PROPOSED PROCEDURE		
Test dump val	ve operation		A-1	
Test alarm sett	ings		A-1	
4373		WIND INDICATING SYSTEM		
COMPONEN T/SYSTEM			ROCEDURE	
Test System For Proper Operation		S-1		
3000		THERMAL IMAGING SURVEY		
COMPON ENT/SYST EM				
Commence Thermal Imaging Throughout The Ship NOTE: Any equipment surveyed that has a temperature rise of 40 degrees centigrade or above (3 or 4 star) must be repaired or tagged out prior to getting underway. The items will not be available until repairs are completed and re-shot for verification			S-1 / A-1 A-2 / A-3 A-4 / A-5 A-6 / A-7R	

ELECTRICAL (EL) UNDERWAY PHASE

NOTE: Electrical Underway Checks Consist Mainly Of Space Walk-Through Throughout The Ship.

In each space inspect the following if applicable:

(INSPECT) FUSE BOXES

COMPONENT/SYSTEM	PROPOSED PROCEDURE
Are fuses pulled from designated circuits without danger tags affixed?	NSTM 300 - 2.4.1
Are there loose or missing locking nuts or gear adrift?	NSTM 300 – 4.8.1
Are circuits properly labeled for easy identification?	GSO 305E
Are there any bent, twisted, misaligned, or broken fuse clips?	NSTM 300 4.8.1
Is the interior rusty or dirty?	NSTM 300 – 4.8.1/5.2.4
Are fuses of the correct amperage and voltage installed?	GSO 303F NSTM 320 – 1.7.4
Are circuits fed from one set of fuses (except battle lantern circuits) multiple?	GSO 331C
Are fuse clips phosphor-bronze instead of silver plated?	NSTM 300 – 4.8.1.2
Were door hinges broken?	5100.19 SERIES NSTM 300
Are non-silver ferruled fuses installed?	NSTM 300 - 2.5.4
Are circuits over fused?	NSTM 300 – 2.5.4
Is clearance provided to permit complete accessibility for maintenance, repair, renewal of fuses, and testing?	GS0 300D

(INSPECT) BATTLE LANTERNS

COMPONENT/SYSTEM	PROPOSED PROCEDURE
Were relay-operated lanterns installed in sufficient number?	NSTM 330 – 1.6.4.3.3.1
Are lanterns installed with suitable bracket assemblies to prevent removal of lantern?	NAVSEA 0964-000-2000 NSTM 300
Were lanterns inoperative?	NSTM 330 – 3.6.2
Were test switches and relay frames grounded?	NSTM 330 – 2.1.8

(INSPECT) BATTLE LANTERNS (CON'T)			
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Were lanterns located in explosion proof enclosures (prohibit)?	NSTM 330 – 1.6.4.3.2.2		
Were NEALS lanterns installed and were they charged (red indicator)?	NSTM 330 – 1.6.4.3.2		
Were relay operated lanterns fused?	NSTM 330 – 1.6.4.3.3.3		
(INSPECT / TEST) SHORE POV	VER SYSTEM		
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Is shore power being properly rigged?	NSTM 320-2.2.7		
Did shore power shunt trip interlocks trip its associated breakers when tested?	IAW PMS IAW EOSS GSO 320D		
Was shore power system cabling between the receptacles and the ship's switchboard insulation resistance within EOSS or PMS Limits	SPRU NSTM 300/320		
Were shore power indicating lights operative, white in color, and all screws installed?	NSTM 320 – 2.2.9		
Were warning signs posted?	GSO 070H		
Was there pigtail stowage installed?	GSO 320D		
Does the shore power system meet the current standards: - Have a Viking Connector System - Have AQB-LF400 Amp Circuit Breaker with shunt trip - Have a phase sequencing and phase orientation devices Have installed ammeter and selector switch to monitor total shore power current.	GSO 320D		

(INSPECT) CATHODIC PROTECTION SYSTEM			
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Was the installed Cathodic Protection System operative and adjusted	GSO 633C		
Were the rudder grounding straps made of 1-1/2 inch wide braided copper and brazed to the rudder stock and the hull?	NSTM 633 – 3.3.2.7 GSO 633C		
Has the system been turned off greater than 15 days?	GSO 633G		
Was brush rigging correctly installed?	NSTM 633- 3.3.2.6		
Were shaft grounding brushes correctly installed?	NSTM 633 ICCP Tech Manual		
Did shaft grounding brushes exhibit full contact with the slip ring?	NSTM 633 – 3.3.2.6 ICCP TECH MANUAL		
(INSPECT / TEST) ALARM SYSTEMS			
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Test alarm switchboards and panels.	4351/Q-2		
Were any alarm and warning systems inoperative or missing parts?	GSO 433J		
(INSPECT) ORDER/INDICATING/ME	TERING SYSTEMS		
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Were Tank Level Indicators (TLI's) out of calibration or inoperative?	GSO 437 E		
Were valve position indicator circuits misadjusted or inoperative?			
Were there missing or inoperative salinity cells?	GSO 531B		
	IAW PMS		
MOTOR CONTROLLI	ERS		
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Were interiors dirty, rusty, deteriorated, or contained gear adrift?	NSTM 302-3.3.2 GSO 320F		
Were wiring diagrams, schematics or overload heater tables missing?	NSTM 302-3.3.1		

MOTOR CONTROLLERS (CON'T)			
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Was controller electrical wiring properly banded?	ELECT PLT. INST. STD METHODS/GSO 302F		
Were Start, Stop, "Emergency Run" or Reset buttons seized, missing or inoperative?	3001/S-1/18M-1		
Were rubber boots cracked, torn or missing?	NSTM 300-3.2.2 3001/S-1/18M-1		
Were overload relay heaters properly sized and adjusted to provide adequate protection for the motor?	NSTM 302-3.3.2 GSO 302G		
Were switches protected against inadvertent activation?	GSO 070H		
Were controllers with multiple power sources properly labeled?	GSO 305C		
Were motor foundations properly preserved?	GSO 631J		
Were controllers and remote operating stations properly labeled?	GSO 305C		
Is clearance provided to permit complete accessibility for operation, maintenance, repair, renewal of fuses, and testing?	GSO 300D		
WORKBENCHES			
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
- Does the workbench conform to standards set forth in NSTM 300 APP H? (Insulation, ground straps, disconnect switches, labeling, ground connections, etc)	NSTM 300 GSO 320E GSO 665 GSO 650		
(INSPECT) ELECTRICAL SAFETY			
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Were flat irons a high-grade commercial type with a three pronged cord?	NSTM 300-2.7.3.6 GSO 640G		

Were Ironing Board Stations in berthing space modified to remove spotlight and fill the access hole? Ensure irons are not hardwired.	GSO 640G	
(INSPECT) ELECTRICAL SAFI	ETY (CON'T)	
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
Have shorting probes been modified by installing a nylon screw in the end of the probe and soldering the clip to the conductor?	NAVELEX 0101, 110A FIG 1- 3 IAW PMS	
Are portable tools/devices not stamped "Double Insulated" or equipped with a three pronged cord?	NSTM 300-2.7.3.3 IAW PMS	
Were Hospital grade plugs used on portable equipment?	NSTM 300-2.7.3.2.8	
Were light fixtures, guards, and covers securely mounted?	NSTM 300-4.3.3	
Were over-sized lamps installed in lighting fixtures?	NSTM 330-2.2.4 NSTM 330-2.2.9	
Were light fixtures missing lenses, protective guards, or faceplates?	NSTM 330-2.1.4 NSTM 330-2.2.6	
Did diesel module room have adequate lighting?	GSO 331B GSO 332E	
Were spray-tight fixtures adequately protected against water intrusion?		
Was bunk lighting cable hanging, or not routed through the inside of bunk stanchions?	NAVSEA 0964-000-2000	
(INSPECT) CABLIN	G	
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
Was PVC cabling installed (new construction only)?	GSO 304D	
Were dead-ended cables properly identified/terminated?	NSTM 300-4.6.7 GSO 304E NSTM 300-4.6.9 DOD-STD-2003-1	
Were useless or improperly installed cables removed?	NSTM 300-4.6.7.1 GSO 304E	
Was cabling properly supported, routed or were nylon	GSO 304E	

wire ties be	eing utilized?		

(INSPECT) CABLING (CON'T)		
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
Were cables pulling out of equipment?	GSO 331E	
Were cables improperly spliced?	GSO 304E NSTM 300-4.6.8 DOD-STD-2003-1	
Were cables protected against being handholds or being stepped on?	GSO 304E	
Was cabling run through beams without the use of chaffing rings?	NSTM 300 TABLE 300-4-4 GSO 304E	
Was cabling running through metal partitions equipped with grommets?	GSO 304E NSTM 320-1.6.11	
Were cable stuffing tubes properly assembled ?	NSTM 300-4.6.10.1 NSTM 300 TABLE 300-4-4 NSTM 320-1.6.11 GSO 304E	
Were multiple cables running through one stuffing tube?	GSO 304E NSTM 300 TAB. 300-4-4	
Were multi-cable penetrators installed in Flammable Liquid Storerooms?	GSO 304E MIL-STD-1310	
(INSPECT) BUS TRANSFER E	QUIPMENT	
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
 Were ABT's installed for the following: Emergency Lighting. IC Switchboard and panels. Steering power panel. Pumps associated with the main and auxiliary machinery plant having Low Voltage Release (LVR) control. Fire pumps. Fire extinguishing auxiliaries and controls. 	NSTM 320-1.3.2 GSO 320D	
Did ASCO ABT transfer switches have an electrical charge on the metal screw on the manual operator?	NAVSEA FSC SER 03E2/03E2-234	
Was the sliding interlock on manual bus transfer switches effective at preventing both breakers from being closed at the same time?	NSTM 300-4.8.4.2	

Are feeder circuit breaker megger holes blanked off?	NAVSEA 230319ZNOV 98		
Were Normal/Alternate source indicating lights operative?	NSTM 320-2.2.6.4		
(INSPECT) SHIP TELEPHON	E SYSTEM		
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Was the system unreliable due to unresolved software or hardware deficiencies?	NSTM 430-3 GSO 432		
Test battery back-up for telephone system	NSTM 313-2.5 GSO 313J		
(INSPECT) MOTOR			
· · · · ·			
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Were motor foundations properly preserved?	NSTM 300- 5.4.3.10 GSO 631J		
Was resilient mounted electrical equipment groundedto the ships hull through ground straps?	NSTM 300- 2.2.1		
Did electrical rotating machinery have ball check grease fittings (zerk fittings) installed?	NSTM 244		
Were coupling, belt, or chain guards effective?	GSO 320E		
POWER PANELS			
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Do labels specify the proper information?	GSO 305E		
Do Breaker ratings match the circuit label current rating?	GSO 305E		
Are multi-phase circuits missing breaker connecting handles?	GSO 324C		
Were power panels located inside galley spaces?	GSO 320E		
Is clearance provided to permit complete accessibility?	GSO 300D		
CASUALTY POWER CA	BLES		
COMPONENT/SYSTEM	PROPOSED PROCEDURE		
Were cable ends properly terminated?	GSO 304E NSTM 320-3.4.1 DOD-STD-2003		
Were cables deteriorated from age, heat, and humidity?	NSTM 079-47.4.2.2.10		
Were normally energized power terminals labeled?	NSTM 320-1-2-8-2 GSO 320G		

Were racks properly identified as to number/length of cables assigned to the rack?	GSO 305F	
CASUALTY POWER CABLES (CON'T)		
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
Is there a label attached at the end of the cable to indicate the length and stowage rack number?	GSO 305F DOD-STD-2003	
Are cable leads properly identified for phase identification?	NSTM 320-1.2.8.2	
Were cable ferrules missing or heavily oxidized?	NSTM 079-47.4.2.2.6	
Was an improper number/length of cable installed on a cable rack?	NSTM 079-47.5.6.1 GSO 320G	
Were wrenches missing from terminals?	NSTM 079-47.4.2.3.3	
Were covers installed on power terminals?	NSTM 079-47.4.2.3.4 NSTM 079-47.4.2.3.6 GSO 320G	
ELECTRICAL DISTRIBUTION		
COMPONENT/SYSTEM	PROPOSED PROCEDURE	
Was electrical distribution equipment securely mounted?	NSTM 300-4.3.3 GSO 300D	
Electrical distribution equipment have loose or	NSTM 300-4.3.3	
missing covers?		
	NSTM 300-4.3.3	
missing covers? Were control knobs or fasteners missing from	NSTM 300-4.3.3 NSTM 300-4.4.1 NSTM 300-4.4.5	
missing covers? Were control knobs or fasteners missing from electrical equipment? Was electrical equipment protected from water	NSTM 300-4.4.1	
missing covers? Were control knobs or fasteners missing from electrical equipment? Was electrical equipment protected from water intrusion? Is electrical properly mounted or was it suspended	NSTM 300-4.4.1 NSTM 300-4.4.5	
were control knobs or fasteners missing from electrical equipment? Was electrical equipment protected from water intrusion? Is electrical properly mounted or was it suspended solely by electrical cables?	NSTM 300-4.4.1 NSTM 300-4.4.5 NSTM 300-4.3.3	

W. 100M2 1 G 60M2 1 G 1 P G 1	GGO 220
Were 400HZ AC, 60HZ AC, and DC convenience	GSO 320
outlets labeled to prevent equipment being used with	
the wrong frequency? SOUND POWERED TELEPHON	F SVSTFMS
SOUND TO WERED TELETHON	ESISIEMS
COMPONENT/SYSTEM	PROPOSED PROCEDURE
Were any Sound Powered Circuits below 50,000	GSO 432I
ohms resistance to ground?	
Were Sound Powered Call Signal Stations (growlers)	NSTM 430
inoperative, corroded, damaged or missing parts?	
Were Sound Powered Jackboxes improperly labeled,	NSTM 430-3.2
corroded, damaged, or missing parts?	
(INSPECT) LIGHTIN	G
COMPONENT/SYSTEM	PROPOSED
O STATE OF THE PROPERTY OF THE	PROCEDURE
Were darken ship switches operative and adjusted	NSTM 330-3
properly?	110 1141 330-3
Were light fixtures, guards, and covers securely	NSTM 300-4
mounted?	1101111300 1
Were over-sized lamps installed in lighting fixtures?	NSTM 330-2
Were over sized lamps instance in fighting interest	1,01,1730 2
Were light fixtures missing lenses, protective guards, or	r NSTM 330-2
faceplates?	
Were spray-tight fixtures adequately protected against	NSTM 300-4
water intrusion?	
Did diesel module room have adequate lighting?	GSO 331B/332E
(INSPECT) BATTERY LO	CKERS
COMPONENT/SYSTEM	PROPOSED
COMI ONEM 1/STSTEM	PROCEDURE
Was a Battery Log maintained?	NSTM 313-2
was a battery Log maintained?	GSO 313F
Is there an electrical interlock between exhaust	5100.19C C0904
ventilation and battery charger?	NSTM 313
Test ventilation interlocks	3131/S-2
Are Alkaline and Lead Acid Batteries being serviced in	
the same facility?	GSOF
Is each locker provided with:	5100.19
- Rubber Gloves and Aprons.	GSO 313F
- Goggles.	NSTM 313
- Two battery fillers.	1,611,1515
- Two battery test sets.	
- One soda water container.	

Does the locker contain an eye wash station and a	NSTM 313-2
deluge shower?	

(INSPECT) BATTERY LOCKERS (CON'T)	
COMPONENT/SYSTEM	PROPOSED PROCEDURE
Are battery storage racks greater than 12 inches between tiers?	GSO 313F
Were battery hold-down clamps provided?	GSO 313F
Are Acids stored in appropriate protective containers?	GSO 313F
Are battery charger plugs and jacks marked NEG. and POS.?	GSO 313F
(INSPECT) MISCELLANEOUS E	QUIPMENT
COMPONENT/SYSTEM	PROPOSED PROCEDURE
Is permanently mounted electrical equipment hardwired to the ships electrical system?	NSTM 330-1
Is hardwired electrical equipment permanently mounted?	NSTM 330-1
Was more than 1 multi-purpose power strip connected to one isolated receptacle circuit?	NSTM 300-2.7
Is electrical equipment mounted on non-conducted surfaces properly grounded?	3000 / A-5
Were Surge Protectors of the approved type?	3000 / A-4R
Are portable electric device power cords properly tinned?	3000 / Q-1R
Are permanent-type safety precautions, operating instructions, high voltage warning signs, and resuscitation instructions installed where required?	NSTM -H.5, I-2
Did electrical connection boxes have knockouts pushed in leaving access holes In the side?	NSTM 300-2.
Are non-watertight connection boxes being used in engineering spaces?	GSO 300D
Was rubber matting oil soaked, cracked, punctured, perforated or had imbedded metal or conductive particles?	GSO 634B

(INSPECT) MISCELLANEOUS EQUIPMENT (CON'T)	
COMPONENT/SYSTEM	PROPOSED PROCEDURE
Did dress ship lights have broken, missing, or incorrect guards?	NSTM 330-1 3000/ R2
Were dress ship light receptacles labeled "Dress Ship Light Streamers. Not to be used for any other purpose"?	NSTM 330-1-
Were panel switches controlling circuits that are de- energized during darkened ship operation marked DARKENED SHIP?	NSTM 330-1
Had the float charge on the UPS batteries been reduced from 135vdc to 129vdc?	
Was UPS electronic cabinet bottom sealed to prevent water of oil entry from lower level engine room?	GS0 300D/324D NSTM 300-4

ELECTRICAL (EL) POST-UNDERWAY

CVN 68

OPEN AND INSPECT AS REQUIRED BY THE INSPECTI
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CO	OMPONENT/SYSTEM	PROPOSED PROCEDURE

MAIN PROPULSION PRE-UNDERWAY PHASE CVN 68

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RHK	OH	ιнк	•

REDUILERS	
Component/Sub-Component	Proposed Procedure
IDLE BOILER:	
Insect relief valve and hand easing gear	NSTM 505
Test remote steam stop valve	5000/005 (S-1)
Test remote heating (main) steam stop valve	5000/005 (S-1)
ALL REBOILERS	
Test reboiler water high/low level alarms	E-717/001 (S -9R)
Test gauge glass hand easing gear	LOCAL PROCEDURE
Test gauge glass normal/emergency lighting	LOCAL PROCEDURE
Test automatic control systems	E-717/001 (S-11)
Insect bottom blow system material	NSTM 505
Insect bottom blow valves	NSTM 505
Insect gauges/instruments	CRL
Insect Sample Coolers	NSTM 220

MAIN ENGINES	
Component/Sub-Component	Proposed Procedure
Test Main Condenser SW Inlet Valve	A- (R-1)
Test Main Condenser SW Outlet Valve	A- (R-1)
Test Scoop Injection SW Inlet Valve	A- (R-1)
Test Main Circ Pump Emerg Bilge Suction Vlv	A- (R-1)
Test Main Engine Guarding Valve	SPM
Test Throttle Valves	SPM
Insect Turbine Gland Seal Regulating Valve	NSTM
Insect Turbine Gland Seal <u>Dump</u> Valve	NSTM
Insect Turbine Crossover Piping Sentinel Valves	NSTM
Test Main Circ Pump Speed Limiting Governor	E711/001 (Q-10)
Inspect gauges and instruments	CRL
Inspect Drain systems	SPM

2990 <u>11</u> LINE SHAI+T BEARIN	GS
Component/Sub-Component	Proposed Procedure
Inspect/Sample lube oil	2000/001 (R-1)
Insect Sump Drain Valve	NSTM 244
Insect Seals	NSTM 244
Insect Thermometers	CRL
Inspect Lubricator	NSTM 244
Inspect Dip Stick	NSTM 244
Inspect Lock Wires	NSTM 244
Inspect Bearing_Depth_Mic_Surface	NSTM 244

REDUCTION GEARS	
Component/Sub-Component	Proposed Procedure
Test Shaft Turning Gear and Locking Device	SPM
Inspect Sump Level and Lube Oil Condition	2000/001 (R-1)
Inspect Gear Teeth, Lube Oil Spray Pattern and Casing Interior	E-700/022 (R-11, R-22, PM -4)
Inspect Attached LO Pump Angle Drive Gear	E-700/022(R-12)
Inspect Oil Flow in SFI's	NSTM 244
Inspect Temperature Gauges	CRL

STERN TUBE SEALS	
Component/Sub-Component	Proposed Procedure
Test Cooling Water Low Flow Alarm	111012/150 (S -1R)
Test Inflatable Seal	111012/150 (S-2, S-3)
Inspect Gauges	CRL
Insect Cooling_Water Piping	NSTM 505
Inspect/shift Cooling_Water Strainer/Filter	E-012/150 (Q-2R)
Inspect underway seal leakage rate	NSTM 244
Inspect LP Air Supply	NSTM 505
Inspect LP Piping/Hoses/Fittings	NSTM 505
Inspect C02/N2 Piping/Fitting	E-012/150 (S-2, S-3)
Inspect Emergency Flax Packing Kit	NSTM 244

Inspect Casing Exterior	NSTM 244
Inspect Vent Fog Precipitator	NSTM 244
Inspect Security Devices	NSTM 244
Inspect Piping Systems	NSTM 505
Inspect Flange Shielding	NSTM 505
Dehumidifier	NSTM 244

CONTROLS	
Component/Sub-Component	Proposed_Procedure
Test EOT Indicator	SPM
Test RPM Indicator	SPM
Test Console Alarms and Indicators	SPM
Test Wrong Direction Alarm	SPM

Insp	ect Unloading_Valve	NSTM 505
Den	nonstrate Lube Oil Purifier Operation	SPM
Insp data	ect Lube Oil Purifier Heater relief valve/test	NSTM 505
Den	nonstrate Lube Oil Purifier Efficiency	SPM

HULL STRUCTURE	
Component/Sub-Component	Proposed_Procedure
Inspect Bilges/Angle Irons	NSTM 631
Inspect Deck Plates	NSTM 631
Inspect Equipment Foundations and resilient	NSTM 631
Inspect Paint and Preservation	NSTM 631
Inspect Pipe Brackets/Hangers	5000/038 (18M-1)
Inspect Lighting	NSTM 300

GENERATORS (SHIPS SERVICE)	
Component/Sub-Component	Proposed Procedure
Inspect Lube Oil Condition/ Sump Level	SPM 0120.1
Inspect Lube Oil SFIs	SPM
Inspect Vent Fog Precipitator	SPM
Inspect/Shift Lube Oil Strainer	SPM 0120.1
Test Alarm Panel	SPM
Inspect Gland Seal Operation	SPM
Inspect Aux Circ Pump	
- Motor - Controller	NSTM 503
- Packing gland/mechanical seal	
Inspect Aux Cond Pump	
- Motor	NSTM 503
- Controller	145 1141 505
- Packing gland/mechanical seal	

Inspect Aux Air Ejectors	SPM
Test Lube Oil Pump Autostart	SPM
Test Low Lube Oil Alarm	SPM
Inspect Turbine Casing Relief Valve	SPM
Test Overspeed Trip	3111/003 (Q-1)
Test Manual Trip	SPM
Test Back Pressure Trip	3111/003 (A-3)

LUBE OIL SYSTEMS	
Component/Sub-Component	Proposed Procedure
Test Main Engine Lube Oil Sequencing	SPM
Test Main Engine Low Lube Oil Alarm	SPM
Inspect Electric Lube Oil Pump	NSTM 503
- Motor	NSTM 505
- Flexible coupling	
- Mechanical Seals	
- Valves and piping	
Inspect Steam Lube Oil Pump (SLOP)	NSTM 503
- Turbine	NSTM 505
- Pump	
- Mechanical Seals	
- Valves and piping	
Test combination/exhaust relief valve	E-009/102 (24M-2)
Test SLOP speed limiting governor	E-009/102 (18M-3)
Inspect attached Main Engine Lube Oil Pump	NSTM 503
- Coupling	
- Mechanical Seals	
Inspect Lube Oil Strainer Baskets and enclosure	SPM
Inspect system flange shields	NSTM 505
Inspect lube oil pump relief valves/test data	NSTM 505
Inspect gauges and instruments	CRL
Inspect Temp Regulating Valve	NSTM 505

Test Auxiliary Condenser SW Inlet Valve	E-714/001 (S -3R)
Test Auxiliary Condenser SW Outlet Valve	E-714/001 (S -3R)
Inspect centrafilter	SPM
Inspect flange_shields	NSTM 505
Inspect duplex oil filter(GOV)	SPM
Inspect Aux Condenser sight glass	SPM
Shift and inspect seawater strainer	E-712/001 (R-10)

Test Manual Trip	SPM
Test Back Pressure Trip	3115/003 (A-3)
Test Auxiliary Condenser SW Inlet Valve	E-714/001 (S -3R)
Test Auxiliary Condenser SW Outlet Valve	E-714/001 (S-3R)
Inspect centrafilter	SPM
Inspect flange_shields	NSTM 505
Inspect duplex_oil filter(GOV)	SPM
Inspect Aux Condenser sight lass	SPM
Shift and inspect seawater strainer	E-712/001 (R-10)

GENERATORS (COOLANT PUMP)				
Component/Sub-Component	Proposed Procedure			
Inspect Lube Oil Condition/ Sum Level	SPM			
Inspect Lube Oil SFIs	SPM			
Inspect Vent Fog Precipitator	SPM			
Inspect/Shift Lube Oil Strainer	SPM			
Test Alarm Panel	SPM			
Inspect Gland Seal Operation	SPM			
Inspect Aux Circ Pump - Motor - Controller - Packing gland/mechanical seal	NSTM 503			
Inspect Aux Cond Pump - Motor - Controller - Packing gland/mechanical seal	NSTM 503			
Inspect Aux Air Ejectors	SPM			
Test Lube Oil Pump Autostart	SPM			
Test Low Lube Oil Alarm	SPM			
Inspect Turbine Casing Relief Valve	SPM			
Test Overspeed Trip	3115/001 (Q-1)			

MAIN PROPULSION UNDERWAY PHASE CVN 68

	TEAM ARRIVAL				
Component/Sub-Component		Proposed Procedure			
Check applicable of deficiencies.	equipment for correction of				
Tour space, ensure	e read for sea.				
	MISCELLANEOUS				
Component/ Sub-Component					
Complete Open and Inspect List and give a copy to the Engineer Officer.					
	DEMONSTRATIONS				
Component/Sub-Component		Proposed Procedure			
Demonstrate Full Power ahead (1 hour)		PMS/EOSS/POG/9094.1B			
Demonstrate Quick Reversal Astern		POG/Full Power Memo/EOSS			

11 Demonstrate Quick Reversal Ahead

I POGAFull Power Memo/EOSS

